THOMSON TECHNICAL INFORMATION

RCA GE PROSCAN

Product Support · Mail Stop INH 900
P.O. Box 1976 • Indianapolis, IN 46206 -1976

Television Service Bulletin

TV 00-009

DATE: December 18, 2000

MODELS: MM101 Chassis Prior to Manufacture Date September, 1999

NOTE: All affected MMC101 units in for service should be upgraded for reliability.

TOPIC: Reliability Upgrade: CRT Phosphor Burns

Symptom: Intense Beam Flash near center of CRT screen at turn on/off

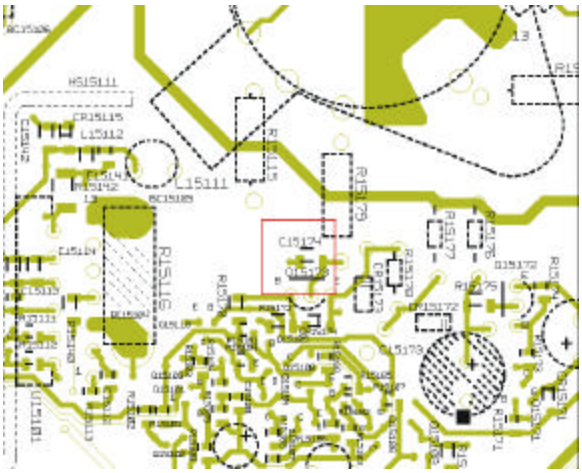
Cause: Breakdown of Grid bypass capacitor C15174.

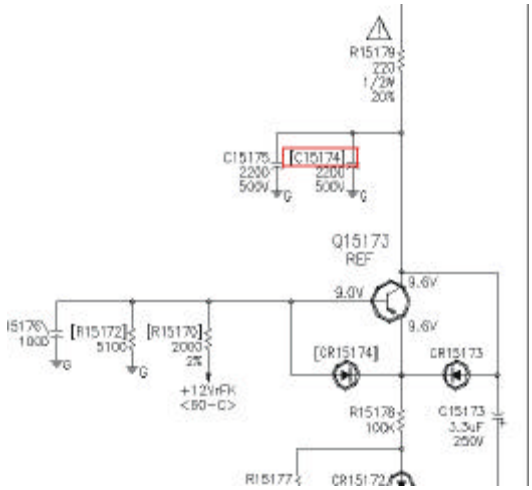
Background: The original MMC101 layout contains a 2200 pF 500V chip capacitor in location C15174 which is not populated in later instruments. Instead, C15176 provides the necessary high frequency bypass for the CRT G1 grid.

There are also several fault modes which may produce an intense beam flash at turn on or turn off. Reference prior Field Bulletin TV00003 and make certain the chassis has been upgraded using this information. FPIP shutdown may cause an unorganized shutdown mode causing loss of scan prior to CRT beam current shutdown.

Cure:

1. Inspect the Kine socket board. If grid bypass capacitor C15174 is installed, remove it.
2. Now inspect the kine socket board for grid bypass capacitor, C15176. If C15176 is not installed, an equivalent chip cap, part 243979 (2200 pF, 500WVDC 1206 size) should be added across R15172 (Q14173-B) to ground. In newer chassis there will be a location for C15176. Check to make certain it is populated and the proper part (243979) has been used.





Product Safety Information

Product Safety information is contained in the appropriate TCE Service Data covering models/chassis referenced herein. All specified Product Safety requirements and testing shall be complied with prior to returning equipment to the customer. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damages and may expose themselves and others to possible injury.

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